

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07151419 A**

(43) Date of publication of application: **16.06.95**

(51) Int. Cl

F25B 29/00

(21) Application number: **05299221**

(22) Date of filing: **30.11.93**

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(54) HEAT PUMP

(57) Abstract:

PURPOSE: To always efficiently, stably heat an object to a target temperature by maintaining the object at a refrigerant condensation temperature adapted to heat it to the target temperature.

CONSTITUTION: The heat pump comprises a radiating condenser Cdo, a heating condenser Cdi, a cooling evaporator Ev, radiating efficiency regulating means F1, F2, vR for regulating radiating efficiency of the condenser Cdo, and condensation temperature control means 105 for so controlling the means F1, F2, vR that the condensation temperature of the condenser Cdo becomes a target condensation temperature based on detected information of the condensation temperature of the condenser Cdo or information Pc relative to the condensation temperature.

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